

**WHAT IS CLAIMED IS:**

1           1. A method of preparing Troponin I, which method comprises protecting free  
2         sulphydryl groups of Troponin I under reducing conditions.

1           2. The method according to claim 1, wherein the free sulphydryl groups are  
2         protected by sulfitolyzation.

1           3. The method according to claim 2, wherein sulfitolyzation comprises reacting  
2         reduced recombinant Troponin I with sodium tetrathionate.

1           4. The method according to claim 1, wherein the recombinant Troponin I is  
2         expressed in a bacterial expression system.

1           5. The method according to claim 4, wherein the bacterial expression system is  
2         an *E. coli* expression system.

1           6. The method according to claim 1, which further comprises purifying the  
2         sulphydryl-protected recombinant Troponin I.

1           7. The method according to claim 6, wherein the Troponin I is purified by  
2         chromatography.

1           8. The method according to claim 6, which comprises purifying the Troponin  
2         I under non-reducing conditions.

1           9. The method according to claim 6, which further comprises deprotecting the  
2         sulphydryl groups from the purified Troponin I..

1           10.    Troponin I comprising sulfhydryl protecting groups.

1           11.    The Troponin I of claim 10, which is denatured.

1           12.    The Troponin I of claim 10, wherein the sulfhydryl protecting groups are  
2        sulfates.

1           13.    A method of purifying Troponin I, which method comprises subjecting  
2        Troponin I comprising sulfhydryl protecting groups to chromatography.

1           14.    The method according to claim 13, wherein the sulfhydryl groups are  
2        protected by sulfitolyzation.

1           15.    The method according to claim 14, wherein sulfitolyzation comprises reacting  
2        reduced, denatured recombinant Troponin I with sodium tetrathionate.

1           16.    The method according to claim 13, which comprises subjecting the Troponin  
2        I to chromatography under non-reducing conditions.

1           17.    The method according to claim 13, wherein the Troponin I is expressed in a  
2        bacterial expression system.

1           18.    The method according to claim 17, wherein the bacterial expression system  
2        is an *E. coli* expression system.

1           19.    The method according to claim 13, wherein a chromatographic support is an  
2        anion exchange column.

1           20.    The method according to claim 19, which further comprises chromatography

1      on a hydrophobic interaction chromatographic support.